REFERENCES

[1] Abadi, Martin; Luca Cardelli, *A Theory of Objects*, Springer Verlag, ISBN 0-387-94775-2

[2] Agarwal, R. and A.P. Sinha, *The role of prior experience and task characteristics in object-oriented modeling: an empirical study*, Int. J. Human-Computer Studies, 45: p. 639-667.

[3] Anelia, P., Object-oriented analysis and design using UML of a test Rotation with sample, Proceeding of the International Conference on Computer Systems and Technologies.

[6]. Armstrong, Deborah J. , "The Quarks of Object-Oriented Development", *Communications of the ACM* 49 (2): 123–128.

[7] Barclay, Kenneth Barclay and John Savage, *Object-Oriented Design with UML and Java*, Elsevier.

[8] Bertels, K., P. Vanneste, and C. De Backer. *A Cognitive Model of Programming Knowledge for Procedural Languages* in *Proc. of ICCAL'92*.

[9] Bertels, K., *A Dynamic View on Cognitive Student Modeling in Computer Programming*, Journal of Artificial Intelligence in Education, p. 85-105.

[10] Kurt Bittner and Ian Spence, *Use Case Modeling*, Addison-Wesley

[11]. Michael Blaha and James Rumbaugh, *Object-Oriented Modeling and Design with UML* (Second Edition), Prentice-Hall.

[12] Boehm-Davis, D. and L. Ross, 1992, Program Design Methodologies and Software Development Process. Int. Journal Man Mach. Stud., 36: 1-19.

[13]. Grady Booch, Ivar Jacobson, and James Rumbaugh, *The Unified Modeling Language User Guide* (Second Edition), Addison-Wesley.

[14] Grady Booch, Robert A. Maksimchuk, *Object-Oriented Analysis and Design with Applications* (Third Edition), Addison-Wesley.

[15] Booch, G., Object-Oriented Analysis and Design with Applications, 2nd Edition, Benjamin/ Cummings, Redwood City, CA.

[16] Boronczyk, Timothy, "What's Wrong with OOP". zaemis.blogspot.com, http://zaemis.blogspot.com/2009/06/whats-wrong-with-oop.html

[17] Briand, L., E. Arisholm, S Counsell, F. Houdek and P. Thevenod-Fosse, Empirical studies of object-oriented artifacts, methods and processes: State of the art and future directions. Empirical software engineering: An Int. J., 4: 387-404.

[18]. Briand, L., J. Wust, J. Daly and D. Porter, Exploring relationships between design measures and software quality in object-oriented systems. J. Syst. Software, 51: 245-273.

[19] Bernd Bruegge and Allen H. Dutoit, *Object-Oriented Software Engineering: Using UML, Patterns and Java* (Third Edition), Prentice-Hall.

[20] Burkhardt, J. and F. Détienne. *An Empirical Study of Software Reuse by Experts in Object-Oriented Design*, in *Proc. of INTERACT'95*. Lillehammer Norway.

[21] Cardelli, Luca, "Bad Engineering Properties of Object-Oriented Languages", *ACM Computer Survey* (ACM) 28 (4es): 150.

[22] Carletta, J., *Assessing Agreement on Classification Tasks: The Kappa Statistic.* Computational Linguistics, p. 1-6.

[23] Caspar Ryan, *A Methodology for the Empirical Study of Object-Oriented Designers,* School Of Computer Science And Information Technology RMIT University, Melbourne, Australia.

[24] Chatel, S. and F. Détienne, *Strategies in object-oriented design.* Acta Psychologica, p. 245-269.

[25] Chen, Z., *Human Aspects in Object-Oriented Design: An Assessment and a Methodology.* Behavior and Information Technology, p. 256-261.

[26] Churcher, N. and J. Shepard, *Towards a Conceptual Framework for Object-Oriented Software Metrics.* ACM SIGSOFT, p. 69-76.

[27] Coad, P. and E. Yourdon, Object-oriented Analysis, Yourdon, Englewood Cliffs, NJ

[28] Coad, P.Y., E, *Object-Oriented Analysis,* NJ: Yourdon Press/Prentice Hall.

[29] Coad, P. and E. Yourdon, *Object-Oriented Design,* NJ: Yourdon Press/Prentice Hall.

[30] Coleman, D., P. Arnold, S. Bodoff, C. Dollin and H. Gilchrist, Object-oriented Development: The Fusion Method. Englewood Cliffs, Prentice-Hall, NJ

[31] Cooke, N.J. and A.L. Rowe. *Evaluating Mental Model Elicitation Methods, Proceedings of the Human Factors and Ergonomics Society 38th Annual Meeting*

[32] Davies, S.P., *Effects of Concurrent Verbalization on Design Problem Solving.* Design Studies, p. 102-116.

[33]. Détienne, F., *Design Strategies and Knowledge in Object-Oriented Programming: Effects of Experience.* Human-Computer Interaction, p. 129-169.

[34]. Détienne, F., *Assessing the cognitive consequences of the object-oriented approach: a survey of empirical research on object-oriented design by individuals and teams.* Interacting with Computers, p. 47-72

[35] Dorst, K. and N. Cross, *Creativity in the Design Process: Co-Evolution of Problem-Solution.* Design Studies, p. 425-437.

[36]. El Emam, K., W. Melo and J. Machado, The prediction of faulty classes using object-oriented design metrics, J. Syst. Software, 56: 63-75

[37] Gamma, Erich; Richard Helm, Ralph Johnson, John Vlissides *Design Patterns: Elements of Reusable Object Oriented Software*. Addison-Wesley, ISBN 0-201-63361-2

[38] Garceau, L., E. Jancura and J. Kneiss, Object-oriented analysis and design: A new approach to systems development. J. System Management, 44: 25-33.

[39] Grady Booch, Ivar Jacobson, James Rumbaugh, *The Unified Modeling Language* (Version 2.2), The Object Management Group.

[40]. Hale, J.E., S. Sharpe, and D.P. Hale, *An Evaluation of the Cognitive Processes of Programmers Involved in Software Debugging.* Journal of Software Maintenance Research and Practice, p. 73-91.

[41] Cay Horstmann, *Object-Oriented Design and Patterns* (Second Edition), John Wiley & Sons.

[42] John C. Mitchell, *Concepts in programming languages*, Cambridge University Press, ISBN 0-521-78098-5, p.278

[43] Philippe Kruchten, *The Rational Unified Process: An Introduction* (Third Edition), Addison-Wesley.

[44] Craig Larman, *Applying UML and Patterns: An Introduction to Object-Oriented Analysis and Design and Iterative Development* (Third Edition), Prentice-Hall.

[45] Michael Lee Scott, *Programming language pragmatics*, 2nd Edition, Morgan Kaufmann, ISBN 0-12-633951-1, p. 470

[46] Ila Neustadt, *UML 2.0 and the Unified Process: Practical Object-Oriented Analysis and Design*, Addison-Wesley.

[47] Pennington, N., A.Y. Lee and B. Rehder, Cognitive activities and levels of abstraction in procedural and object-oriented design, Human Computer Interaction, 10: 171-226.

[48]. Robertson, S.P., *ODE: A Self-Guided, Scenario Based Learning Environment for Object-Oriented Design Principles, Proc. of OOPSLA'94.*

[49] Schach, Stephen, *Object-Oriented and Classical Software Engineering, Seventh Edition*. McGraw-Hill, ISBN 0-073-19126-4

[50] Shelly, Asaf, "Flaws of Object Oriented Modeling". Intel® Software Network, http://software.intel.com/en-us/blogs/2008/08/22/flaws-of-object-oriented-modeling.

[51] Sparks, S., K. Benner, and C. Faris, *Managing Object-Oriented Framework Reuse.* IEEE Computer. September: p. 52-61.

[52] Rebecca Wirfs-Brock and Alan McKean, *Object Design: Roles, Responsibilities, and Collaborations,* Addison-Wesley.